

AMENDED CLAIMS

[received by the International Bureau on September 2, 2005];
original claims 1-20 replaced by new claims 1-20]

What is claimed is:

1. A method for correcting an error in content, comprising steps of:
 - (a) determining the type of error from the error;
 - (b) sending a download request for downloading corresponding error correcting information according to the type of error;
 - (c) receiving the error correcting information; and
 - (d) correcting the errors using the error correcting information.
2. The method according to claim 1, wherein the type of error comprises at least one of a physical error and a logical error.
3. The method according to claim 2, wherein step (a) comprises the step of determining that a physical error exists in the content if a missed or damaged portion exists in the content.
4. The method according to claim 3, wherein the download request is a request for downloading the original content corresponding to the missed or damaged portion, the request comprises a start address of the missed or damaged portion.
5. The method according to claim 4, wherein step (d) comprises the step of adding the downloaded original content to the content according to the start address of the missed or damaged portion.
6. The method according to any one of claims 2-5, wherein step (a)

comprises the step of determining that a logical error exists in the content if the content is unable to be identified in original decoding manner.

7. The method according to claim 6, wherein the download request is a request for down-loading the information corresponding to a new decoding manner, the request comprises the information corresponding to the original decoding manner and the type of the logical error.

8. The method according to claim 7, wherein the step (d) comprises the step of renewing the original decoding manner according to the information corresponding to the new decoding manner.

9. A method for correcting an error in content by a supplier supplying error correcting information by a supplier, comprising steps of:

(a) receiving a download request corresponding to the error;

(b) determining whether the error correcting information corresponding to the download request exists;

(c) obtaining a new error correcting information if the error correcting information corresponding to the download request does not exist; and

(d) sending the error correcting information corresponding to the download request.

10. The method according to claim 9, wherein the error comprises at least

one of a physical error and a logical error.

11. The method according to claim 10, wherein

the download request corresponding to the physical error is a request for downloading the original content corresponding to a missed or damaged portion, the request comprises a start address of the missed or damaged portion; and

the download request corresponding to the logical error is a request for downloading information corresponding to a new decoding manner, the request comprises information corresponding to a original decoding manner and the type of the logical error.

12. The method according to claim 11, wherein the error correcting information corresponding to the download request comprises the original content corresponding to the missed or the damaged portion and the information corresponding to the new decoding manner.

13. The method according to claim 12, wherein the step (b) comprises:

determining the type of the download request;

finding the original content corresponding to the missed or the damaged portion to be downloaded according to the start address if the request is the request for downloading the original content corresponding to the missed or

the damaged portion.

14. The method according to claim 12 or 13, wherein the step (b) comprises:

determining the type of the download request;

5 determining whether the information corresponding to a new decoding manner newer than the original decoding manner is stored according to the information corresponding to the original decoding manner if a request is the request for down-loading the information corresponding to the new decoding manner.

10 15. The method according to claim 14, wherein the step (b) further comprises step of determining whether the logical error can be corrected using the information corresponding to the new decoding manner according to the type of the logical error if the information corresponding to the new decoding manner newer than the original decoding manner is stored.

15 16. An error correcting apparatus for correcting an error in content, comprising:

a controlling means, a sending means and a receiving means, wherein

the controlling means is used to determine a type of error and to correct the error with error correcting information received by the receiving means;

the sending means is used to send a download request for downloading the respective error correcting information according to the type of error; and the receiving means is used to receive the error correcting information.

17. The apparatus according to claim 16, wherein the controlling means
5 comprises a firmware for controlling error correcting.

18. The apparatus according to claim 16 or 17, wherein the type of error comprises a physical error type and a logical error type.

19. A player, comprising:

a reading means, a controlling means, a sending means, a receiving
10 means and a decoding means, wherein:

the reading means is used to read out content;

the controlling means is used to determine the presence of any defect part in the read out content, and to control the sending means to send a download request for downloading the respective defect parts, and to add
15 the defect part received by the receiving means from the network to the read content to provide the corrected content; and

the decoding means is used to decode and play the corrected content.

20. The player according to claim 19, wherein

the controlling means is also used to determine whether the read content and the corrected content can be decoded in an original decoding manner, and to control the sending means to send a download request to ask for downloading information corresponding to a new decoding manner, and to
5 renew the original decoding manner by means of the information corresponding to the new decoding manner received by the receiving means; and

the decoding means is also used to decode and play the read content and the corrected content according to the new decoding manner